April 1, 2009

Dean Williams
Program for Climate Model Diagnosis and Intercomparison
Lawrence Livermore National Laboratory
Mail Code: L-103
7000 East Avenue
Livermore, California 94550

Re: Continuing NOAA/GFDL collaboration activities with the "Earth System Grid Center for Enabling Technologies (ESG-CET)"

Dear Dean:

We (Ron Stouffer and V. Balaji) are writing to confirm our projects' commitment to collaborate with the Earth System Grid Center for Enabling Technologies (ESG-CET).

Under guidance of the World Climate Research Program (WCRP), our projects provide invaluable contributions to your ESG-CET activities and climate change science. Initially serving as an ESG Data Node, we expect to aid in the management of long and large climate model runs and help to make it possible to catalog and archive GFDL climate model output in the next-generation ESG infrastructure. Other tangible assistance to ESG-CET comes via community efforts such as CF, ESC, and Metafor – community model metadata activities to describe the various elements of observation and model output data. All of which are necessary for the ESG-CET metadata schema. Finally, with the Coupled Model Intercomparison Project, Phase 5 (CMIP5) Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report (AR5) campaign underway, data providers will no longer be required to supply data on longitude-latitude grids. To prepare the ESG to accept simulation data on native grids, we are developing gridspec to help third party software infer the Mosaic connectivity patterns of cubed-sphere and other types of grids.

The success of CMIP5 (IPCC AR5) is dependent on the Earth System Grid Center for Enabling Technologies, so we endorse your efforts and recommends them to the DOE SciDAC-2 program. We also feel that the technology developed under your CET will greatly benefit other DOE SciDAC applications areas as well.
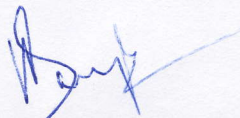
We look forward to continuing our productive collaboration, with you as the primary point of contact.

Sincerely,   Sincerely,

Ronald Stouffer   Venkatramani Balaji
Head, Climate and Ecosystems Group   Head, Modeling Systems Group
NOAA/GFDL   NOAA/GFDL and Princeton University